

**ABSTRACT**

The invention pertains to an electro-optical connector module comprising a connection part, at least one optical transmitter circuit and/or optical receiver circuit and at least one electro-optical converter for respectively  
5 converting electrical signals into optical signals or vice versa. The module further comprises at least two substantially flat and substantially parallel electrically insulating sheets on which the transmitter circuit and/or receiver circuit and the converter are mounted. It is preferred that the connector module according, comprises at least one optical transmitter circuit, at least one optical receiver circuit and at least two electro-optical converters for respectively converting electrical signals into optical signals and vice versa, wherein the optical transmitter circuit and a first converter are mounted on a first sheet and the optical receiver circuit and a second converter are mounted on a second sheet.